



# OIL AND GAS

# OIL AND GAS PORFOLIO

## FATTY AMINES

NAME	CAS.NO	BRAND NAME	APPEARANCE	TOTAL AMINE VALUE mg KOH/g	% PRIMARY AMINE	IODINE VALUE, gI2/100g	APPLICATION
Oleyl Amine distilled	1213789-63-9	IAL OAD	Colorless to pale yellow liquid	200 – 215	99.0 Min	80 Min	Emulsifier
Stearyl Amine distilled	90640-32-7	IAL SAD	Solid / Flakes / Powder / Granule	200 – 215	99.0 Min	3.0 Max	Emulsifier

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Coco Diamine	61791-63-7	IAL CDA	Pasty liquid	400 – 445	90 Min	12 Max	Secondary corrosion inhibitor & Biocide
Tallow Diamine	61791-55-7	IAL TDA	Pasty Solid	325 – 355	90.0 Min	30.00 Min	Secondary corrosion inhibitor
Oleyl Diamine	7173-62-8	IAL ODA	Liquid paste	320 – 340	90.0 Min	60.0 Min	Secondary corrosion inhibitor

## FATTY AMINES ETHOXYLATES

NAME	CAS.NO	BRAND NAME	APPEARANCE	COLOR (GARDNER)	TOTAL AMINE VALUE mg KOH/g	pH (1 % Aq. SOLUTION)	APPLICATION
Tallow Amine 10 EO	61791-26-2	INDOEMUL TA 10	Amber Color Clear Liquid	10 Max	72 - 80	8.0 – 11.0	Corrosion inhibitor

## FATTY ALCOHOL ETHOXYLATES

NAME	CAS.NO	BRAND NAME	APPEARANCE	COLOR ( APHA)	HYDROXYL VALUE, mgKOH/g	pH, 5 % in DISTILLED WATER	APPLICATION
Nonyl Phenol 4 EO	9016-45-9	IAL NP 4	Color less to Pale yellow viscous liquid	50 Max	132 – 150	6 – 8	Oil -based mud additive -Secondary emulsifier
Nonyl Phenol 10 EO	9016-45-9	IAL NP 10	Color less clear viscous liquid	50 Max	80 – 88	6 – 8	Water-based mud additive, Emulsifier, Oil based mud additive - Wetting agent
Nonyl Phenol 12 EO	9016-45-9	IAL NP 12	Color less to Pale yellow viscous liquid	50 Max	70 – 80	6 – 8	Water-based mud additive - Emulsifier

## OTHERS

NAME	CAS.NO	BRAND NAME	APPEARANCE	MOISTURE CONTENT, % (By KF)	""% PURITY( By GC)	APPLICATION
Dodecyl benzene sulphonic acid (DDBSA)	27176-87-0	DDBSA	Dark brown viscous liquid	2.0 Max	NIL	Paraffin inhibitor & Demulsifier
Morpholine	110-91-8	MORPHOLINE	Clear colorless liquid	0.5 Max	99.0 % Min	Corrosion inhibitor
Cyclohexyl amine (CHA)	108-91-8	CYCLOHEXYL AMINE	Colorless to pale yellowish liquid	0.5 Max	99.0 % Min	Corrosion inhibitor
Methyl ethyl ketone (MEK)	78-93-3	METHYL ISOBUTYL KETONE	Clear Colorless liquid	0.3% Max	99.0 % Min	Solvent - Wax from petroleum
Diethylene glycol (DEG)	111-46-6	IAL DEG	Clear colorless liquid	0.2% Max	NIL	Solvent
N-Methyl diethanol amine (MDEA)	99105-59-9	INDO MDEA	Colorless to pale yellow	0.5 % Max	99.0 % Min	Corrosion inhibitor - drilling equipment